

DELTA® protects property. Saves energy. Creates comfort.

## TECHNICAL DATA SHEET

### DELTA®-TRELA / PLUS

#### Roof Underlayment for Ventilated / Non-ventilated Roofs with Metal Cladding

#### MATERIAL

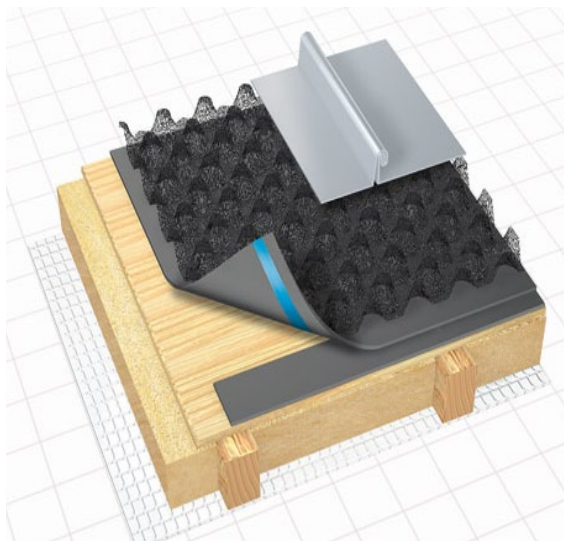
Vapor permeable roof underlayment based on DELTA®-VENT S thermally bonded to a randomly-oriented polypropylene fiber mesh.

#### PROPERTIES

The 8 mm high randomly-oriented fiber mesh ensures permanent movement of air on the underside of metal roof panels. The underlayment provides an effective drainage course that channels moisture (i.e. leaks or condensation) to the exterior. DELTA®-TRELA allows for free thermal expansion and contraction of roof cladding without abrading. Impact noise of rain or hail is reduced by up to 15 dB.

#### APPLICATION

DELTA®-TRELA is installed parallel to the eaves with the random fiber mesh structure facing upwards. The next course of membrane is overlapped in shingle fashion, ensuring that water is shed to the outside. The mesh texture provides a non-slip surface and is not damaged by foot traffic. The product is watertight and protects the roof enclosure from wind-driven rain. Where exposed fasteners in the field of the membrane may be required, gasketed DELTA®-SEALING NAILS are applied. The combination of underlayment and mesh allows for an efficient one-step application. DELTA® Accessories complement the roof underlayment installation. DELTA®-TRELA is also available in the PLUS version with a self-adhesive edge.



## Technical Data

Product name	DELTA®-TRELA	
Color	black / gray	
Water vapor transmission	820 g/m <sup>2</sup> /24 h	ASTM E96-05, Proc. A
	472 g/m <sup>2</sup> /24 h	ASTM E96-05, Proc. B
Vapor permeance	69 perms [grains/h/ft <sup>2</sup> /in Hg]	ASTM E96-05, Proc. A
	120 perms [grains/h/ft <sup>2</sup> /in Hg]	ASTM E96-05, Proc. B
Fire characteristics	Fire resistance: Class B2	DIN 4102
Structured separation layer height	approx. 5/16" (8mm)	
Temperature range	-40 °F to +176 °F (-40 °C to +80 °C)	
Mass per unit area	> 7.9 oz/yd <sup>2</sup> (270 g/m <sup>2</sup> )	
Roll weight	approx. 37 lb (17 kg)	
Roll length	98' (30 m)	
Roll width	4' 11" (1.5 m)	
Maximum UV (sunlight) exposure	Always cover as soon as possible. Maximum exposure 6 week.	
DELTA® Accessories	DELTA®-SEALING NAIL DELTA®-MULTI BAND 2" x 82' DELTA®-FLEXX-BAND 4" x 33' DELTA®-THAN 310 ml cartridge	

DELTA® products support sustainable and energy-efficient building practices, including efforts toward achieving LEED® certification (LEED® for New Construction & Major Renovations, LEED® for Core and Shell, LEED® for Existing Buildings and LEED® for Homes).

For technical support, call our technical support team at 1-888-4DELTA4 (1-888-433-5824) extension 326, or visit [www.cosella-dorcken.com](http://www.cosella-dorcken.com).